

Ky Leggiero

Denver area, Colorado

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Summary

Software Engineer with over 17 years' experience, currently specializing in leading, creating, maintaining, & migrating **iOS & macOS applications & frameworks** across multiple teams, departments, & disciplines. Experience in porting applications to new platforms. Skilled with **UI/UX engineering** as well, including flow design, accessibility, icons, interactive animations, and user interface layout. Worked within Agile teams.

A full product lifecycle developer well-versed in **CI/CD** processes with services like Bitrise, GitHub Actions, ADO, Jenkins, CircleCI, Bitbucket Pipelines, and more.

- **Git** repositories & versioning.
- **UI design implementation** using code, SwiftUI, Storyboards, NIB/XIB files, XML, Compose, and more. Layout for adjustable windows & screens across device sizes.
- Deep understanding of modern **architecture patterns** and principles including Composable, Reactive, FP, CUPID, OOP with SOLID, MVVM, MVP, MVC, and more.
- Coding with **Swift**, Kotlin, UI/UX designs, Objective-C, Rust, RESTful APIs, various frameworks including **SwiftUI**, UIKit, Core Data, AVFoundation, EventKit, AddressBook and CoreLocation. Familiar with **learning new languages**, platforms, & frameworks within a week.
- **Testing & bug fixing** using TDD and test suites including XCTest, SwiftTest, AndroidX, NSLog & OSLog, Breakpoints, LLDB statements, and Instruments. Works with QA/QE to tighten test/release cycle. Experienced talking with customers & using results of **UATs**.
- Incorporated data storage with SQLite, Core Data databases, **Object Storage, AWS**, GraphQL, direct filesystem storage, and more.
- Experienced in **parsing** including XML, JSON, and many others.
- Integrated many services:
 - Adobe Analytics and Google Analytics.
 - Auth0 for robust authentication services, ensuring seamless and secure user sign-up and login
 - Biometric authentication (Face ID/Touch ID)
 - Apple's Push Notifications Service
 - MapKit
 - Apollo Client for GraphQL queries
 - Direct web service connections using URLSessionDataTask, sockets, SSL, TLS, DHKE, and more

<https://KyLeggiero.me>

Up-to-date résumé, portfolio, scheduling, contact info, profile/social links, and more

This printed résumé was last updated **2024-09-19**

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Employment

Realtor.com (2022 - 2023)		Staff Software Engineer	Real Estate
Realtor.com for iOS		<ul style="list-style-type: none">● Lead transition to SwiftUI across core components.● Collaborated cross-team to ensure clear sync & quality product.● Drove changes of product, process, & team.● Worked with UI/UX to finalize & implement full redesign.● Documented & encoded new components (e.g. design system).● Founded working groups for whole-company efficiency.● Coordinated proactive changes to minimize losses.	
Swift, SwiftUI, Flutter & Dart, iOS, migration, Git, agile, Jira, workgroups, cross-team leadership, mentorship, UI/UX, TDD, maps, MapKit, GraphQL, animations, native, cross-platform, repo scripting			
Yes Health (2021 - 2022)		Lead Software Engineer	Healthcare
Yes Health for iOS & Android		<ul style="list-style-type: none">● Coordinated engineering multiple health products across multiple platforms● Transitioned from Objective-C + UIKit to Swift + SwiftUI.● Improved product DEI.● Set department-wide processes & best practices: agile kanban sprints, version control, documentation system, etc.● Worked with UI/UX team to redesign & rebrand those products.	
Swift, SwiftUI, Objective-C, migration, Git, agile, Jira, cross-team leadership, hiring, mentorship, UI/UX, accessibility, TDD, live chat, GraphQL, native, repo scripting, multi-platform, iOS, Android, Kotlin, CI/CD, Bitrise, startup			
PKWare (2020 - 2021)		Senior Software Engineer	Infosec
Encrypted eMail, SmartCrypt		<ul style="list-style-type: none">● Personal file encryption software for macOS and iOS.● R&D greenfield eMail encryption products.● Internal software libraries to support products.● Completely redesigned the iOS app from the ground up to focus on core competencies, improve accessibility, & optimize flow.	
Swift, C++, encryption, cryptography, public-key, DHKE, user automation, accessibility, networking, eMail, tiger team, greenfield, maintenance, Git, agile, ADO, UI/UX, native, repo scripting, multi-platform, macOS, iOS, CI/CD, Jira			
Ionic Security (2017 - 2019)		Software Engineer III	Infosec
Ionic Files for macOS		<ul style="list-style-type: none">● Owned user-facing file encryption & sync software for macOS.● Collaborated on a company-wide software platform to enable client software consistency on all supported platforms: macOS, Android, Windows, Linux, and iOS.● Worked with UI/UX team on aspects of all products, including graphics, animations, user flows, etc.● Worked with QA (QE) team to tighten test-release cycle & minimize defects.	
Swift, C, Objective-C, C++, Objective-C++, encryption, accessibility, networking, encrypted file manager, maintenance, Git, agile, ADO, UI/UX, native, repo scripting, multi-platform, macOS, Windows, Linux, CI/CD, Jira, startup			

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Employment (continued)

Renewed Vision (2016 - 2017) macOS Software Engineer		Entertainment
ProPresenter, Pro Video Player	<ul style="list-style-type: none">● Industry-leading professional presentation software on macOS.● Collaboratively created software platforms with open-source & proprietary tech.<ul style="list-style-type: none">○ Advanced auto font scaling, inspector, interactive animations, freeform layout engine, custom canvas...● Designed icons & other graphics, user flows, interface approaches, animations, and more.	
Swift, C, Objective-C, C++, Objective-C++, video streaming, live performances, presentation software, networking, maintenance, Git, Agile, Atlassian, Bitbucket, Jira, CI/CD, UI/UX, native, macOS, startup		
NCR (2015 - 2016) Mobile Software Engineer		Fintech
NCR Silver	<ul style="list-style-type: none">● Built state-of-the-art point-of-sale software for iOS & Android.● Implemented headlining features: 64-bit support, EMV payments, scale-weighting of items, future orders.● Wrote drivers for necessary hardware.● Worked with design team to redesign the app's look-and-feel.	
Objective-C, C, Java, Kotlin, iOS, UIKit, Android, XML, XSLT, receipts, printing, barcode scanners, online orders, chip card, tap to pay, high volume		

Contract roles and non-career positions are listed at <https://Resume.KyLeggiero.me/More>

Education

- **Columbus State University** (2014) – Bachelor of Science in Computer Science
 - Software Engineering, AI, Games Programming, Databases, Computer Networks, Software Architecture, Operating Systems & Kernels, and more.
- **Georgia Gwinnett College** – supplementary studies
 - Mathematics, music, philosophy, and more.